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# PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

*Chul-Hwan Kim et al.* : Examiner: UNKNOWN

U.S. Serial No. 10/830,173 : Group Art Unit: 1756

Filed April 22, 2004 :

Docket No. DPI-12 (HY-03-1) :

For: POWDER-COATED TONER PARTICLES :

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Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

### INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. 1.56, 1.97 AND 1.98

Sir:

Applicants submit herewith patents, publications, and other information of which they are aware, which they believe may be material, as defined in 37 C.F.R. 1.56(b), to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 C.F.R. 1.56(a). While information referred to in this Information Disclosure Statement may be material pursuant to 37 C.F.R. 1.56(b), the filing of this Information Disclosure Statement is not intended to, pursuant to 37 C.F.R. 1.97(h), constitute an admission that any patent, publication or other information referred to is, or is considered to be, material to the patentability of this invention. Pursuant to 37 C.F.R. 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information exists.

- This information Disclosure Statement is filed within the period set forth in §1.97(b) because it accompanies the new patent application submitted herewith, is filed within three months of the filing date of a national application or within three months of the date of entry of the national stage as set forth in §1.491 in an international application. Or is believed to be filed before the mailing date of a first Office Action on the merits, whichever event occurs last. However, in the event that the first office action has been mailed, the Commissioner is authorized to charge any fees under 37 C.F.R. 1.17(p) or credit any overpayment to Account No. 50-0935.
- This Information Disclosure Statement is filed after the period set forth in 37 C.F.R. 1.97(b), but is believed to be filed before the mailing date of a final action under §1.311, whichever occurs first.
  - (1) The undersigned attorney certifies that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement;
  - (2) The undersigned attorney certifies that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned attorney after making reasonable inquiry, was known to any individual designated in §1.56 (c) more than three months prior to the filing of this statement; or
  - (3) This Information Disclosure Statement is accompanied by a transmittal letter in which payment of the fee set forth in §1.17(p) and required by 37 C.F.R. 1.97 (c) is authorized.

**Other Information****A. Patents**

1. U.S. Patent No. 2,297,691, issued October 6, 1942, entitled "Electro-photography", of *Carlson*;
2. U.S. Patent No. 4,645,727, issued February 24, 1987, entitled "Colored Toner Compositions Comprising Dye Chromophores", of *Ong et al.*;
3. U.S. Patent No. 4,778,742, issued October 18, 1988, entitled "Colored Toner Compositions", of *Ong et al.*;
4. U.S. Patent No. 4,935,326, issued June 19, 1990, entitled "Electrophotographic Carrier Particles Coated With Polymer Mixture", of *Creatura et al.*;
5. U.S. Patent No. 4,937,166, issued June 26, 1990, entitled "Polymer Coated Carrier Particles for Electrophotographic Developers", of *Creatura et al.*;
6. U.S. Patent No. 5,102,761, issued April 7, 1992, entitled "Color Toner for Electrophotography Containing a Phenolic Compound", of *Ohsaki et al.*;
7. U.S. Patent No. 5,200,290, issued April 6, 1993, entitled "Liquid Developers Containing Colored Polymers With a Color Chromophore Covalently Bound Thereto", of *Ong et al.*;
8. U.S. Patent No. 5,296,325, issued March 22, 1994, entitled "Dicyano-imidazole Compounds Usable as Colorants for Magenta Toners, Colored Resins, Colored Molded Resin Members and Color Filters", of *Ohtsuka et al.*;
9. U.S. Patent No. 5,352,521, issued October 4, 1994, entitled "Resin Particles, Method for Production Thereof and Their Uses", of *Hotta et al.*;
10. U.S. Patent No. 5,437,953, issued August 1, 1995, entitled "Dye-Polymer Toners for Electrophotography", of *Russell et al.*;
11. U.S. Patent No. 5,470,687, issued November 28, 1995, entitled "Process for Producing Toner Particles Using Free Space Formed in a Polymeric Medium", of *Mayama et al.*;
12. U.S. Patent No. 5,500,321, issued March 19, 1996, entitled "Color Toner for Developing Electrostatic Image", of *Kasuya et al.*;
13. U.S. Patent No. 5,916,735, issued June 29, 1999, entitled "Method for Manufacturing Fine Pattern", of *Nakashima et al.*;
14. U.S. Patent No. 6,132,919, issued October 17, 2000, entitled "Polymerized Toner and Production Process Thereof", of *Ogawa et al.*; and

15. U.S. Patent No. 6,268,103, issued July 31, 2001, entitled "Toner Process", of *Hopper et al.*

**B. Publications**

1. *Powder Technology Handbook*, 2<sup>nd</sup> edition, Marcell Dekker Publications (1997), pages 3-13, by *K. Gotoh et al.*

Respectfully submitted,

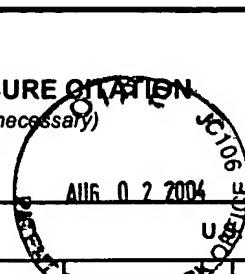


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July 30, 2004

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)



ATTY DOCKET NO.

DPI-12 (HY-03-1)

APPLICATION NO.

10/830,173

APPLICANT(S)

Chul-Hwan Kim et al.

FILING DATE

April 22, 2004

GROUP ART UNIT

1756

## U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | DOCUMENT NUMBER       | DATE     | NAME            | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|-------------------|-----------------------|----------|-----------------|-------|----------|----------------------------|
|                   | U.S. Patent 2,297,691 | 10/6/42  | Carlson         | 95    | 5        |                            |
|                   | U.S. Patent 4,645,727 | 2/24/87  | Ong et al.      | 430   | 106      |                            |
|                   | U.S. Patent 4,778,742 | 10/18/88 | Ong et al.      | 430   | 106      |                            |
|                   | U.S. Patent 4,935,326 | 6/19/90  | Creatura et al. | 430   | 108      |                            |
|                   | U.S. Patent 4,937,166 | 6/26/90  | Creatura et al. | 430   | 108      |                            |

## U.S. PATENT APPLICATION PUBLICATIONS

| *EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
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## FOREIGN PATENT DOCUMENTS

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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Powder Technology Handbook, 2nd edition, Marcell Dekker Publications (1997), pages 3-13, by K. Gotoh et al.

| EXAMINER | DATE CONSIDERED |
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**INFORMATION DISCLOSURE CITATION**

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|-------------------|--|-----------------------|---------|----------------|-------|----------|----------------------------|
|                   |  | U.S. Patent 5,102,761 | 4/7/92  | Ohsaki et al.  | 430   | 106      |                            |
|                   |  | U.S. Patent 5,200,290 | 4/6/93  | Ong et al.     | 430   | 115      |                            |
|                   |  | U.S. Patent 5,296,325 | 3/22/94 | Ohtsuka et al. | 430   | 106      |                            |
|                   |  | U.S. Patent 5,352,521 | 10/4/94 | Hotta et al.   | 428   | 402      |                            |
|                   |  | U.S. Patent 5,437,953 | 8/1/95  | Russell et al. | 430   | 106      |                            |

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APPLICATION NO.  
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GROUP ART  
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|-------------------|-----------------------|----------|------------------|-------|----------|----------------------------|
|                   | U.S. Patent 5,470,687 | 11/28/95 | Mayama et al.    | 430   | 137      |                            |
|                   | U.S. Patent 5,500,321 | 3/19/96  | Kasuya et al.    | 430   | 109      |                            |
|                   | U.S. Patent 5,916,735 | 6/29/99  | Nakashima et al. | 430   | 314      |                            |
|                   | U.S. Patent 6,132,919 | 10/17/00 | Ogawa et al.     | 430   | 110      |                            |
|                   | U.S. Patent 6,268,103 | 7/31/01  | Hopper et al.    | 430   | 137.14   |                            |

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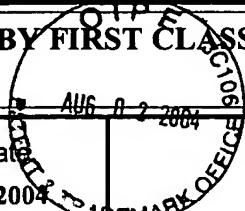
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**CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)**

Applicant(s): Chul-Hwan Kim et al.

Docket No.

DPI-12 (HY-03-1)

Application No.  
10/830,173Filing Date  
April 22, 2004Examiner  
UNKNOWNCustomer No.  
40256Group Art Unit  
1756

Invention: POWDER-COATED TONER PARTICLES

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